

GenCore version 5.1.4.D5\_4578  
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2003, 12:16:13 ; Search time 245.37 Seconds  
(without alignments)  
9688.871 Million cell updates/sec

Title: US-08-978-217-15

Perfect score: 7752  
Sequence: 1 GGATCCTCCAGCAGCACTGA.....CAGAGGGGCTCTGATCC 7752

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapept 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA:\*  
1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS.COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/Backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	215.6	2.8	1920	US-08-746-789A-1	Sequence 1, Appl
2	123.6	1.6	5973	US-09-245-041-4	Sequence 4, Appl
3	115.4	1.5	852	US-09-020-956-44	Sequence 44, Appl
4	115.4	1.5	852	US-09-030-607-44	Sequence 44, Appl
5	115.4	1.5	852	US-09-605-785-44	Sequence 44, Appl
6	115.4	1.5	852	US-09-439-313-44	Sequence 44, Appl
7	115.4	1.5	852	US-09-352-616A-44	Sequence 44, Appl
8	115.4	1.5	852	US-09-232-149A-44	Sequence 44, Appl
9	115.4	1.5	5427	US-09-009-913-2	Sequence 2, Appl
10	115.4	1.5	5510	US-09-009-913-3	Sequence 3, Appl
11	115.4	1.5	5667	US-09-009-913-4	Sequence 4, Appl
12	115.4	1.5	7208	US-09-166-186-107	Sequence 107, App
13	115.4	1.5	7208	US-09-313-932-107	Sequence 107, App
14	114.4	1.5	17056	US-09-245-041-3	Sequence 3, Appl
15	112	1.4	51259	US-08-781-891-209	Sequence 209, App
16	110.4	1.4	2411	US-09-188-930-75	Sequence 75, App
17	110.4	1.4	2411	US-09-188-930-256	Sequence 256, App
18	109	1.4	17056	US-09-245-041-3	Sequence 3, Appl
19	107.6	1.4	90050	US-09-245-041-5	Sequence 5, Appl
20	107.4	1.4	848	US-09-009-913-338	Sequence 338, App
21	107.4	1.4	90050	US-09-245-041-5	Sequence 5, Appl
22	106.6	1.4	4	US-08-920-422-17	Sequence 17, Appl
23	106.4	1.4	5000	US-09-303-769-45	Sequence 45, Appl
24	106.4	1.4	6727	US-08-628-643A-5	Sequence 5, Appl
25	106.4	1.4	6727	US-09-280-799-1	Sequence 1, Appl
26	106.4	1.4	6727	US-09-155-884-5	Sequence 5, Appl
27	106.4	1.4	35828	US-09-449-218D-17	Sequence 17, Appl

28	106.2	1.4	4550	US-09-338-907-182	Sequence 182, App
29	106.2	1.4	4550	US-09-218-207-182	Sequence 182, App
30	105.4	1.4	3217	US-09-232-200-64	Sequence 64, Appl
31	105.4	1.4	3217	US-09-232-197-64	Sequence 64, Appl
32	105.4	1.4	3217	US-09-232-201-64	Sequence 64, Appl
33	104.8	1.4	7874	US-09-780-175-96	Sequence 96, Appl
34	104.8	1.4	37950	US-09-338-907-183	Sequence 183, App
35	104.8	1.4	37950	US-09-218-207-183	Sequence 183, App
36	104.4	1.3	48974	US-08-920-422-17	Sequence 17, Appl
37	104.2	1.3	3364	US-08-735-609-9	Sequence 9, Appl
38	104.2	1.3	3364	US-08-735-609-9	Sequence 9, Appl
39	104.2	1.3	3364	US-09-315-372-9	Sequence 9, Appl
40	104.2	1.3	3364	US-09-244-752-9	Sequence 9, Appl
41	104.2	1.3	3364	US-09-245-497-9	Sequence 9, Appl
42	104.2	1.3	3364	US-09-562-919-9	Sequence 9, Appl
43	103.4	1.3	3293	US-07-923-976-1	Sequence 1, Appl
44	102.8	1.3	4698	US-07-807-043B-5	Sequence 5, Appl
45	102.8	1.3	4698	US-08-299-849B-5	Sequence 5, Appl

## ALIGNMENTS

RESULT 1  
US-08-746-789A-1  
Sequence 1, Application US/08746789A  
Patent No. 5789200  
GENERAL INFORMATION:  
APPLICANT: Ismail Kola, Martin J. Tyms, Christine DeBouck  
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3  
NUMBER OF ADDRESSES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road, P.O. Box 1539  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
COMPUTER: IBM 486  
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
SOFTWARE: MICROSOFT WORD  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/746,789A  
FILING DATE: No. 5789200el 15, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: William T. Han  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: ATG 50024  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610 270 5219  
TELEFAX: 610 270 4026  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1920  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
ANTI-SENSE: No  
US-08-746-789A-1  
Query Match 2.8%; Score 215.6; DB 1; Length 1920;  
Best Local Similarity 65.6%; Pred. No. 1.6e-49;  
Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;  
OY 6999 AGGATTAATCAAAACGGAGATCTTGAACGGGTGATGCCGACGCTGTCTACAAAG 7038  
DB 1114 AGGATTAATCAAAACGGAGATCTTGAACGGGTGATGCCGACGCTGTCTACAAAG 1173

OY	7059	TTGGCAAGAACTCTAGTGGCTGTGAAGAAAGAAAGCTGTGGAGAGAGTCCGAATTAAGA	7118
Db	1174	TTTGGCAAAAATCTCAAGCGGCTGTGAAGAGAAAGCTTCTCCAGAGTCCGAACCTGAAGG	1233
OY	7119	TCGGGCTGTGACCCAGACCTGACTCAGGCACTGAATCCAGAACTGAAGCCTTCTGGAA	7178
Db	1234	TTGGAACTATACCCGGGAGCAAAACTCAGGACCACTCGAGGCGCTCAAACTTCTGGGA	1293
OY	7179	GGACAGGCAAGGCGTACCGGCCCCCTTAACATGGAATGTTCCTGTGTTCGTGTAGAG	7238
Db	1294	GGACAGGCAAGGCGCAATGG-CCCCCTCACTGGGGAATGTCTCCACCTGTGCTGTGAAG	1352
OY	7239	GAGAAGACCTGTGTGGGCGTGCCTCTGC--AGTCTCTCAATGTGAGCCTTTGGGCTC--	7293
Db	1353	AAGCATGATTTTGGTGTATTGTCAAGCCATGCTCTGGGACCTGGAGACTAATGAGCTCGC	1412
OY	7294	-TCTCTCGCCCTCTTGGAAATTACAGCCCCGGGTTGAACCACTGTTCGA-----	7345
Db	1413	CTCCCCACCCTCTCTTGGAAATTACAGCCCTGGGGTTGAAGCTGACTTTTATACCTGCA	1472
OY	7346	-----TAACTCTTCAGCTGTGATTCAGTTCCCTCGCTCCCAATGAGCTGCAG	7397
Db	1473	AGTGTATCTCTTTTATCTGTGTCCTCTCAAAACCAAGTCTAGACACTAAATGCAGACA	1532
OY	7398	ATGAGACCCACCTCGAGATGCTCTGCGCTTCAGCCAGAGAGCTGGGAGACTGTGACAGA	7457
Db	1533	ACACTCTCTCTCGAGACACTGTGACTGAGCCAGAGAGGCTGGG--GAGGGCTGAGG	1590
OY	7458	GACTGACAGGAGCGAGGGGACAGGGTGTGTCTCTGG---TACTTCTGTGACTGCTTC	7513
Db	1591	GAGCACCGGTGAGGAGAGAGACAGAGCGGGGCTCCAGACCTTCTTTCGAGCTGGCGTT	1650
OY	7514	CACCTCTTGTGCAGTACTCAGAGCTCCAGCTCCAGACGGGGGTCCGATCA-TCCTAAATTATG	7572
Db	1651	CACCTCTCTGTCTCAGTGTCTTGGGCTCCACGGGCAAGGGGTCAAGACACTCCATAATTATG	1710
OY	7573	TGC--TATTAATATTCCAGGTATATATAGAGCTAATTTTTCTAAAGCAATTTCCCTTC	7630
Db	1711	TGCTATATTAATATGTCAAGATGATACATAGATCTAATTTTTCTAAACATTTCCCTCCC	1770
OY	7631	CTGCTCTTCTCCACTGAGTGTCTGG 7654	
Db	1771	CACCTCTCTCCACAGAGTGTGG 1794	

```

RESULT 2
US-09-245-041-4
; Sequence 4, Application US/09245041
; Patent No. 6274339
; GENERAL INFORMATION:
; APPLICANT: Moore, K.
; APPLICANT: Nagle, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/093,630
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/104,978
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 5973
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-041-4

Query Match          16%; Score 123.6; DB 4; Length 5973;
Best Local Similarity 67.4%; Pred.No.12e-23;
Matches 174; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

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Accession	Sequence	Length
Oy 1841	TTTGTCTGTAGATTTAGATTTTCAAGACAGAGTTTCTGTGAGCCCTGGCTCTGTG	1900
Db 5390	TTCTTTTTCATTTTGGGTTTTTCAAGACAGGGTTTCTGTATAGCCCTGGCTCTGTG	5449
Oy 1901	GAATCTACTCTGTAGACACAGGCTGGCTCGAACTCAGAAATCTCTTCACTCTACTTCAG	1960
Db 5450	GAATCTACTCTGTAGACACAGGCTGGCTCGAACTCAGAAATCTGCTCTCTGTGCTCC	5509
Oy 1961	GAGTCTGGGATTAAGAATGTGTGGCTGCGCTCTCCACCCCAATTTGTTTTGTTTTTA	2020
Db 5510	AAAGCTGGGATTTAAAGTGTGTGCGCACACACCCAGCTTAAAGATTTTCTTACTAAA	5569
Oy 2021	AGGGCCCCGGTAAACAGTAATTTACATGTGCATCTCTGTTTGTCTTTTGTAAAGACTCAA	2080
Db 5570	ATAATTTCTAAATTAATTAATGTGGAATCTGTGTATACCTCTTTTGTAAACAAAAACAG	5629
Oy 2081	TGTTGGGCTTGTGACCAC 2098	
Db 5630	CATTTTTCATTCTTAC 5647	

RESULT 3  
 US-09-020-956-44/c  
 : Sequence 44, Application US/09020956  
 : Patent No. 6261562  
 :  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Xu, JIANGCHUN  
 : APPLICANT: DILLIN, DAVID C.  
 : TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FOR  
 : NUMBER OF SEQUENCES: 178  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: SEED AND BERRY LLP  
 : STREET: 6300 Columbia Center, 701 Fifth Avenue  
 : CITY: Seattle  
 : STATE: WA  
 : COUNTRY: USA  
 : ZIP: 98104  
 :  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: PatentIn Release #1.0, Version #1.30  
 :  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/09/020,956  
 : FILING DATE: 09-FEB-1998  
 : CLASSIFICATION:  
 :  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: MAKI, David J.  
 : REGISTRATION NUMBER: 31,392  
 : REFERENCE/DOCKET NUMBER: 210121.427C2  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: (206) 622-4900  
 : TELEFAX: (206) 682-6031  
 : INFORMATION FOR SEQ ID NO.: 44:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 852 base pairs  
 : TYPE: nucleic acid  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: cDNA  
 : ORIGINAL SOURCE:  
 : ORGANISM: Homo sapiens  
 :  
 : US-09-020-956-44

Query Match	1.5%	Score 115.4	DB 4	Length 853
Best Local Similarity	74.1%	Pred. No. 6.5E-22		
Matches 146	Conservative 0	Mismatches 51	Indels 0	Gaps 0
QY	6238	CCCGAGGACTACCTGTGGAGTTATTCGAGACATCTTAATCCACCCCGAGCTCAA	6317	
Db	401	CCCGAGGAGGACTACTTATGGGAATTCATCCGACATCTCTTTGAACCCGAGACAGAA	342	

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QY 6318 CGAAGGCTCATGAGTGGAGAAACCGGCACAGAGGGTGTTCAGATTCTTGCTCAG 6377
Db 341 CCCAGATTAAATAAATGGGAAGACCGATCTGAGGGCGTCTTGAAATCAGA 282
QY 6378 GGGCGTGGCCCAACTCTGGGGCCAGAAAGAAACAGCAATGACTTATGAAAGCT 6437
Db 281 GGCAGTGGCTCAGCTATGGGGTAAAAAAGAAACAACAGCATGACCTATGAAAAAGCT 222
QY 6438 GAGCCGAGCCATGAGGT 6454
Db 221 CAGCCGAGCTATGAGAT 205

RESULT 4
US-09-030-607-44/C
; Sequence 44, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FOR
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030,607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 852 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
;
US-09-030-607-44

Query Match 1.5%; Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

```

[illegible]

```
APPLICANT: Jiang Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solik, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)...(852)
OTHER INFORMATION: n = A,T,C or G
US-09-439-313-44
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Query Match 1.5%; Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
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QY 6258 CCCGAGGTAAGTCTGAGGATTTATCCGAGACATCTTAATCCACCCGAGCTCA 6317
Db 401 CCCGAGGAGGACTCACTTATGGAAATTCATCCGACATCTTGAACCCGAGACAGA 342
QY 6318 CGAAGCCTCATGAAGTGGAGAACCGGACGAGGTGTGTTCAAGTTCTTCGCTCAGA 6377
Db 341 CCCAGATTATTAATAATGGGAAGACCGATCTAGGGCGCTTCAGGTTCTTAATTCAGA 282
QY 6378 GGCCGTGGCCCACTCTGGGGCCAGAGAAAGAACAGCAATGACCTATGAGAAGCT 6437
Db 281 GGCACTGGCTCAGTATGGGGTAAAGAAAGAACAGCAGATGACCTATGAAAAGCT 222
QY 6438 GAGCCGAGCATGAGGT 6454
Db 221 CAGCCGAGCTATGAGAT 205
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```
RESULT 7
US-09-352-616A-44/C
Sequence 44, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jianshun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)...(852)
OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-44
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Query Match 1.5%; Score 115.4; DB 4; Length 852;
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Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
QY 6258 CCCGAGGTAAGTCTGAGGATTTATCCGAGACATCTTAATCCACCCGAGCTCA 6317
Db 401 CCCGAGGAGGACTCACTTATGGAAATTCATCCGACATCTTGAACCCGAGACAGA 342
QY 6318 CGAAGCCTCATGAAGTGGAGAACCGGACGAGGTGTGTTCAAGTTCTTCGCTCAGA 6377
Db 341 CCCAGATTATTAATAATGGGAAGACCGATCTAGGGCGCTTCAGGTTCTTAATTCAGA 282
QY 6378 GGCCGTGGCCCACTCTGGGGCCAGAGAAAGAACAGCAATGACCTATGAGAAGCT 6437
Db 281 GGCACTGGCTCAGTATGGGGTAAAGAAAGAACAGCAGATGACCTATGAAAAGCT 222
QY 6438 GAGCCGAGCATGAGGT 6454
Db 221 CAGCCGAGCTATGAGAT 205
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RESULT 8
US-09-232-149A-44/C
Sequence 44, Application US/09232149A
Patent No. 646811
GENERAL INFORMATION:
APPLICANT: Xu, Jianshun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
FILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232,149A
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 338
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)...(852)
OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-44
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Query Match 1.5%; Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
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```
QY 6258 CCCGAGGTAAGTCTGAGGATTTATCCGAGACATCTTAATCCACCCGAGCTCA 6317
Db 401 CCCGAGGAGGACTCACTTATGGAAATTCATCCGACATCTTGAACCCGAGACAGA 342
QY 6318 CGAAGCCTCATGAAGTGGAGAACCGGACGAGGTGTGTTCAAGTTCTTCGCTCAGA 6377
Db 341 CCCAGATTATTAATAATGGGAAGACCGATCTAGGGCGCTTCAGGTTCTTAATTCAGA 282
QY 6378 GGCCGTGGCCCACTCTGGGGCCAGAGAAAGAACAGCAATGACCTATGAGAAGCT 6437
Db 281 GGCACTGGCTCAGTATGGGGTAAAGAAAGAACAGCAGATGACCTATGAAAAGCT 222
QY 6438 GAGCCGAGCATGAGGT 6454
Db 221 CAGCCGAGCTATGAGAT 205
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```
RESULT 9
US-09-009-913-2
Sequence 2, Application US/09009913
Patent No. 6087485
GENERAL INFORMATION:
APPLICANT: Axxis Pharmaceuticals, Inc.
TITLE OF INVENTION: Asthma Related Genes
```

```

NUMBER OF SEQUENCES: 339
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bozicevic & Reed, LLP
STREET: 285 Hamilton Ave, Suite 200
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,913
FILING DATE: 21-JAN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5427 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-09-009-913-2

Query Match 1.5%; Score 115.4; DB 3; Length 5427;
Best Local Similarity 74.1%; Pred. No. 2,2e-21;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0.

QY 6258 CCCGAGGTACTCACCTGTGGGAATTTATCCGAGACATCCATCCACCCGAGCTCA 6317
Db 758 CCCGAGGAGGACTCTTATGGGAATTCATCCGACATCTCTTGAACTCCAGACAAGA 817
QY 6318 CGAAGGCTCATGAGTGGAGAACCGGACGAGGATGTTCAGTTTCTTCGCTCAGA 6377
Db 818 CCCAGATTATTAATATGGGAAGACCGATCTGAGGGCCGCTTCAGGTTCTTGAATCAGA 877
QY 6378 GGCCTGGCCCCAACTCTGGGGCCAGAGAAGAAACAGACAACATGACCTTAGAAGCT 6437
Db 878 GGCAGTGGCTCAGCTATGGGGGTAAAGAAACAACACGACATGACTTAGAAAAGCT 937
QY 6438 GAGCCGAGCCATGAGCT 6454
Db 938 CAGCCGAGCTATGAGAT 954

RESULT 10
US-09-009-913-3
; Sequence 3, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301

```

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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,913
FILING DATE: 21-JAN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5510 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-009-913-3

Query Match 1.5%; Score 115.4; DB 3; Length 5510;
Best Local Similarity 74.1%; Pred. No. 2.2e-21;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 6258 CCCGAGGTAAGTCACTGTGGAGTTTATCGAGACATCTTAATCCACCCGAGCTGAA 6317
DB 841 CCCGAGAGGAGCACTACTATGGAAATCATCCGACATCTCTTGAACCCAGACAAGAA 900
QY 6318 CGAAGGCTCATGAAGTGGGAGAACCCGACAGAGGCTGTGTTCAAGTTTCTTCGTCAGA 6377
DB 901 CCCAGAGTTAATAAATAATGGGAAGACCGATCTGAGGGCGTCTTCAGGTTCTTGAATAATCAGA 960
QY 6378 GACCGGTGCCCCAACTCTGTGGGCGCAGAAAGAGAAAGCAACATGACCTATGAGAAGCT 6437
DB 961 GGCAGTGGCTCACTGCTATGGGTAAATAAGAGACACACGACGATGACCTATGAAAAGCT 1020
QY 6438 GAGCCGAGCCATGAGGT 6454
DB 1021 CAGCCGAGCTATGAGAT 1037

RESULT 11
US-09-009-913-4
; Sequence 4, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998

```

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Sherwood, Pamela J  
REGISTRATION NUMBER: 36,677  
REFERENCE/DOCKET NUMBER: SEQ-4P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-327-3231  
TELEFAX: 650-327-3231  
TELEX:  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5667 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-09-009-913-4

Query Match 1.5%; Score 115.4; DB 3; Length 5667;  
Best Local Similarity 74.1%; Pred. No. 2.2e-21;  
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

Oy 6258 CCCGAGGAGTCTCACTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGCTCA 6317  
Db 998 CCCGAGGAGTCTCACTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGAG 1057  
Oy 6318 CGAGGAGTCTCACTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGCTCA 6377  
Db 1058 CCCGAGGAGTCTCACTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGAG 1117  
Oy 6378 GGGCTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGCTCA 6437  
Db 1118 GGGCTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGCTCA 1177  
Oy 6438 GAGCCGAGCTGAGT 6454  
Db 1178 CAGCCGAGCTGAGT 1194

RESULT 12  
US-09-166-186-107/c  
Sequence 107, Application US/09166186A  
Patent No. 6080580  
GENERAL INFORMATION:  
APPLICANT: Baker, Brenda  
APPLICANT: Bennett, C. Frank  
APPLICANT: Butler, Madeline M.  
APPLICANT: Shanahan, William R.  
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF- $\alpha$  EXPRESSION  
FILE REFERENCE: ISFH-0322  
CURRENT APPLICATION NUMBER: US/09/166,186A  
CURRENT FILING DATE: 1998-10-05  
NUMBER OF SEQ ID NOS: 250  
SEQ ID NO 107  
LENGTH: 7208  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (4527..4712,5225..5279,5457..5504,5799..6217)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (4371)..(4712)  
FEATURE:  
NAME/KEY: Intron  
LOCATION: (4713)..(5224)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (5225)..(5279)  
FEATURE:

NAME/KEY: Intron  
LOCATION: (5280)..(5456)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (5457)..(5504)  
FEATURE:  
NAME/KEY: Intron  
LOCATION: (5505)..(5798)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (5799)..(6972)  
PUBLICATION INFORMATION:  
AUTHORS: Semon, D.  
AUTHORS: Kawashima, E.  
AUTHORS: Jongeneel, C.V.  
AUTHORS: Shakhov, A.N.  
AUTHORS: Nedospasov, S.A.  
TITLE: Nucleotide sequence of the murine TNF locus, including the  
TITLE: TNF- $\alpha$  (tumor necrosis factor) and TNF- $\beta$  (lymphotoxin) genes  
JOURNAL: Nucleic Acids Res.  
VOLUME: 15  
ISSUE: 21  
PAGES: 9083-9084  
DATE: 1987-11-11  
DATABASE ACCESSION NUMBER: Y00467 Genbank  
DATABASE ENTRY DATE: 1993-05-11  
US-09-166-186-107

Query Match 1.5%; Score 115.4; DB 3; Length 7208;  
Best Local Similarity 79.2%; Pred. No. 2.6e-21;  
Matches 137; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

Oy 1840 TTTTGTCTGAGTTTATTTTCAAGACAGAGTTTCTGTGTAGCCCTGCTGCT 1899  
Db 602 TTTTGTCTGAGTTTATTTTCAAGACAGAGTTTCTGTGTAGCCCTGCTGCT 543  
Oy 1900 GGAATCTCTGTGACAGAGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCT 1959  
Db 542 GAACTCTCTGTGACAGAGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCT 483  
Oy 1960 GAGTGTGAGTTTAAAGATGTGGCTGCTGCTGCTGCTGCTGCTGCTGCT 2012  
Db 482 CAGTGTGAGTTTAAAGATGTGGCTGCTGCTGCTGCTGCTGCTGCTGCT 430

RESULT 13  
US-09-313-932-107/c  
Sequence 107, Application US/09313932A  
Patent No. 6228642  
GENERAL INFORMATION:  
APPLICANT: Baker, Brenda  
APPLICANT: Bennett, C. Frank  
APPLICANT: Butler, Madeline M.  
APPLICANT: Shanahan, William R.  
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF- $\alpha$   
FILE REFERENCE: ISFH-0356  
CURRENT APPLICATION NUMBER: US/09/313,932A  
CURRENT FILING DATE: 1999-05-18  
NUMBER OF SEQ ID NOS: 501  
SEQ ID NO 107  
LENGTH: 7208  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (4527..4712,5225..5279,5457..5504,5799..6217)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (4371)..(4712)  
FEATURE:  
NAME/KEY: Intron  
LOCATION: (4713)..(5224)  
FEATURE:

FEATURE:  
NAME/KEY: exon  
LOCATION: (5225)..(5279)  
FEATURE:  
NAME/KEY: intron  
LOCATION: (5280)..(5456)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (5457)..(5504)  
FEATURE:  
NAME/KEY: intron  
LOCATION: (5505)..(5798)  
FEATURE:  
NAME/KEY: exon  
LOCATION: (5799)..(56972)  
PUBLICATION INFORMATION:  
AUTHORS: Semon, D.  
AUTHORS: Kawashima, E.  
AUTHORS: Jongeneel, C.V.  
AUTHORS: Shakhov, A.N.  
AUTHORS: Nedospasov, S.A.  
TITLE: Nucleotide sequence of the murine TNF locus, including the  
TITLE: TNF-alpha (tumor necrosis factor) and TNF-beta (lymphotoxin)  
TITLE: genes  
JOURNAL: Nucleic Acids Res.  
VOLUME: 15  
ISSUE: 21  
PAGES: 9083-9084  
DATE: 1987-11-11  
DATABASE ACCESSION NUMBER: Y00467 Genbank  
DATABASE ENTRY DATE: 1993-05-11  
US-09-313-932-107

Query Match 1.5%; Score 115.4; DB 4; Length 7208;  
Best Local Similarity 79.2%; Pred. No. 2.6e-21;  
Matches 137; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 1840 TTTTGTCTGTAGTTTGTAGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCT 1899  
DB 602 TTTTGTCTGTAGTTTGTAGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCT 543  
QY 1900 GGAACCTACTCTGTAGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1959  
DB 542 GAACTCCTCTGTAGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 483  
QY 1960 GGAAGTCTGATTAAGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2012  
DB 482 CAAGTCTGGGATTAAGGTGTGTGCCACCACTGCCAGCTTTTGTGTGTGT 430

RESULT 14  
US-09-245-041-3/C  
Sequence 3, Application US/09245041  
Patent No. 6274339  
GENERAL INFORMATION:  
APPLICANT: Moore, K.  
APPLICANT: Nagle, D.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT  
TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY  
FILE REFERENCE: 7853-136  
CURRENT APPLICATION NUMBER: US/09/245,041  
EARLIER FILING DATE: 1999-02-05  
EARLIER APPLICATION NUMBER: 60/093,630  
EARLIER FILING DATE: 1998-07-21  
EARLIER APPLICATION NUMBER: 60/104,978  
NUMBER OF SEQ ID NOS: 131  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 3  
LENGTH: 17056  
TYPE: DNA  
ORGANISM: Mus musculus  
US-09-245-041-3

Query Match 1.5%; Score 114.4; DB 4; Length 17056;  
Best Local Similarity 79.1%; Pred. No. 8.7e-21;  
Matches 136; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 1840 TTTTGTCTGTAGTTTGTAGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCT 1899  
DB 10492 TTTTGTCTGTAGTTTGTAGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCT 10433  
QY 1900 GGAACCTACTCTGTAGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1959  
DB 10432 GGAACCTACTCTGTAGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 10373  
QY 1960 GGAAGTCTGATTAAGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2011  
DB 10372 CGAGTCTGGGATTAAGGTGTGTGCCACCACTGCCAGCTTTTGTGTGTGT 10321

RESULT 15  
US-08-781-891-209  
Sequence 209, Application US/08781891  
Patent No. 6090620  
GENERAL INFORMATION:  
APPLICANT: Fu, Ying-Hui  
APPLICANT: Yu, Chang-En  
APPLICANT: Oshima, Junko  
APPLICANT: Mulligan, John T.  
APPLICANT: Schelleberg, Gerald D.  
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
TITLE OF INVENTION: WERNER'S SYNDROME  
NUMBER OF SEQUENCES: 209  
CORRESPONDENCE ADDRESSES:  
ADDRESS: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,891  
FILING DATE: 27-DEC-1996  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 6090620tenburg Ph.D., Carol  
REGISTRATION NUMBER: 39,317  
REFERENCE/DOCKET NUMBER: 240052.419  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 209:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51259 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-781-891-209

Query Match 1.4%; Score 112; DB 3; Length 51259;  
Best Local Similarity 71.2%; Pred. No. 8.3e-20;  
Matches 148; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 1854 TTTAGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCTGCTGCTGCTGCT 1913  
DB 39674 TTTGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCTGCTGCTGCTGCTGCT 39733  
QY 1914 AGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1973  
DB 39734 AGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 39793

